# Safety Attribute Inspection (SAI) Data Collection Tool 1.2.4 MIS Reports (AW)

### **ELEMENT SUMMARY INFORMATION**

### Purpose of This Element (Certificate Holder's responsibility):

• To provide policy, procedures, instructions and information in the manual which allows personnel who accomplish the MIS Reports process to perform their duties and responsibilities to a high degree of safety.

### **Objective** (FAA oversight responsibility):

- To determine if the Certificate Holder's MIS Reports process meets all applicable requirements of the Federal Aviation Regulations and FAA policies.
- To determine if the Certificate Holder's MIS Reports process incorporates the System Safety Attributes.
- To identify any shortfalls in the Certificate Holder's MIS Reports process.

### SUPPLEMENTAL INFORMATION

### Specific Regulatory Requirement(s) (SRRs):

• SRRs:

121.135(a)(1)

121.135(b)(1)

121.135(b)(2)

121.135(b)(3)

121.705

121.705(a)

121.705(b)

121.705(c)

### Related CFR(s) & FAA Policy/Guidance:

- Related CFRs: Intentionally left blank
- FAA Policy/Guidance:
   Order 8300.10, Volume 2, Chapter 63

### SAI SECTION 1 - PROCEDURES ATTRIBUTE

Objective: Procedures, instructions and information contained in Certificate Holder's manual are documented methods for accomplishing a process. Policies contained in the Certificate Holder's manual should establish the Certificate Holder's compliance posture. Policies may not be stand—alone statements but may be imbedded within procedures, instructions or information regarding a particular regulatory requirement. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder's manual has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated who, what, when, where and how type questions. This section of the data collection tool contains policy questions, procedural questions and instructional or informational questions pertaining to various types of Certificate Holder requirements such as actions, prohibitions or resources (i.e., personnel, facilities, equipment, technical data, etc.).

Hold	stions and instructional or informational questions pertaining to various type er requirements such as actions, prohibitions or resources (i.e., personnel, pment, technical data, etc.).	
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	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the information listed in the Supplemental Information section of the collection tool.	nis data
2	Review the duties and responsibilities for management and other personn the Certificate Holder who accomplish the MIS Reports process.	el identified by
3	Review the Certificate Holder's Manual to ensure that it contains policies, instructions and information necessary for the MIS Reports process.	procedures,
Que	stions	
	To meet this objective, the inspector must answer the following questions:	
1.	Does the Certificate Holder's manual content meet the specific regulatory policy requirements for a MIS Reports process:	and FAA
1.1	Does the Certificate Holder's manual contain general policies for the MIS Reports process that comply with the specific regulatory requirements? SRRs: 121.135(b)(1); 121.705	
	Related Design JTIs:  • Check that the certificate holder's manual contains a general policy regarding sending regularly and promptly a Mechanical Interruption Summary Report to the Administrator.  Sources: 121.705; 121.135(b)(1)  Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw	☐ Yes ☐ No, Explain
1.2	Does the Certificate Holder's manual cite the regulatory requirements listed in the Supplemental Information section of this SAI? SRRs: 121.135(b)(3) Related CFRs: Intentionally left blank	☐ Yes ☐ No, Explain
1.3	Does the Certificate Holder's manual contain the duties and responsibilities for personnel who will accomplish the MIS Reports process?  SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
1.4	Does the Certificate Holder's manual include instructions and information for personnel to meet the requirements of the MIS Reports process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain

1.5 Does the Certificate Holder's manual include instructions and informatio allow personnel concerned to regularly and promptly send a summary re following occurrences to the Administrator: SRRs: 121.135(a)(1); 121.705	•
<ul> <li>1.5.1 Each interruption to a flight caused by known or suspected mechanical difficulties or malfunctions that are not required to be reported under Sec. 121.703? SRRs: 121.705(a) Related Design JTIs: <ul> <li>Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of sending regularly and promptly a summary report to the Administrator on each interruption to a flight caused by known mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.</li> <li>Sources: Safety 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw</li> <li>Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of sending regularly and promptly a summary report to the Administrator on each interruption to a flight caused by suspected mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.</li> <li>Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw</li> <li>Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of sending regularly and promptly a summary report to the Administrator on each interruption to a flight caused by known malfunctions that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.</li> <li>Sources: 121.705; 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw</li> <li>Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of sending regularly and promptly a summary report to the Administrator on each interruption to a flight caused by suspected malfunctions that is not required to be reported in a Mechan</li></ul></li></ul>	□ No, Explain
1.5.2 Each unscheduled change of aircraft en route, or unscheduled stop or diversion from a route, caused by known or suspected mechanical difficulties or malfunctions that are not required to be reported under Sec. 121.703? SRRs: 121.705(a) Related Design JTIs:	☐ No, Explain

 Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled change of aircraft en route caused by known mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 121.703.

Sources: 121.705(a); 121.135(a)(1)

Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled change of aircraft en route caused by suspected mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 121.703.

Sources: 121.705(a); 121.135(a)(1)

Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled change of aircraft en route caused by known malfunctions that is not required to be reported in a Mechanical Reliability Report under 121.703.

Sources: 121.705(a); 121.135(a)(1)

Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled change of aircraft en route caused by suspected malfunctions that is not required to be reported in a Mechanical Reliability Report under 121.703.

Sources: 121.705(a); 121.135(a)(1)

Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

 Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled stop caused by known mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1)

Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

 Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled stop caused by suspected mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1)

Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

 Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled stop caused by known malfunctions that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each unscheduled stop caused by suspected malfunctions that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each diversion from a route caused by known mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each diversion from a route caused by suspected mechanical difficulties that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

 Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each diversion from a route caused by known malfunctions that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

• Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of each diversion from a route caused by suspected malfunctions that is not required to be reported in a Mechanical Reliability Report under 14 CFR 121.703.

Sources: 121.705(a); 121.135(a)(1) Interfaces: 1.2.1-aw; 1.2.3-aw; 1.2.5-aw

	☐ Yes ☐ No, Explain
<ul> <li>1.5.4 The number of propeller featherings in flight, listed by type of propeller and engine and aircraft on which it was installed? SRRs: 121.705(c)</li> <li>Related Design JTIs: <ul> <li>Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility of regularly and promptly sending a summary report of the number of propeller featherings in flight that is listed by type of propeller and also the by type of engine on which it was installed.</li> <li>Sources: 121.705(c); 121.135(a)(1)</li> </ul> </li> </ul>	☐ Yes ☐ No, Explain ☐ Not Applicable
1.6 Does the Certificate Holder's manual contain a general policy that the number of propeller featherings for training, demonstration, or flight check purposes need not be reported? SRRs: 121.705(c)	☐ Yes ☐ No, Explain ☐ Not Applicable
alternate procedures provide an equivalent level of safety to achieve the	☐ Yes ☐ No, Explain ☐ Not

Applicable

### SAI SECTION 1 – PROCEDURES ATTRIBUTE –Drop Down Menu

- 1. No procedures, policy, instructions or information specified.
- 2. Procedures or instructions and information do not identify (who, what, when, where, how).
- 3. Procedures, policy or instructions and information do not comply with CFR.
- 4. Procedures, policy or instructions and information do not comply with FAA policy and guidance.
- 5. Procedures, policy or instructions and information do not comply with other documentation (e.g., manufacturer's data, Jeppesen's Charts, etc.).
- 6. Procedures, policy or instructions and information unclear or incomplete.
- 7. Documentation quality (e.g., unreadable or illegible).
- 8. Procedures, policy or instructions and information inconsistent across Certificate Holder manuals (FOM Flight Operations Manual to GMM General Maintenance Manual, etc.).
- 9. Procedures, policy or instructions and information inconsistent across media (e.g., paper, microfiche, electronic).
- 10. Resource requirements incomplete (personnel, facilities, equipment, technical data).
- 11. Other.

### SAI SECTION 2 - CONTROLS ATTRIBUTE

**Objective:** Controls are checks and restraints designed into a process to ensure a desired result. The questions in this section of the data collection tool are designed to assist the inspector in determining if checks and restraints are designed into the process to ensure the desired result is achieved. Controls should be written into the manual system to ensure that the most important manual policies, procedures or instructions and information will be complied with.

Controls may be in the form of "administrative controls" which are secondary or supplemental written procedures. Like written procedures, administrative controls also need to provide answers to the associated who, what, when, where and how type questions. Controls may also be in the form of "engineered controls" such as automated features or mechanical actions or devices (i.e., safety devices, warning devices, etc.).

actic	actions or devices (i.e., safety devices, warning devices, etc.).	
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the control questions below.	
2	Review the Certificate Holder's policies, procedures, instructions and informan understanding of the controls that it has documented.	mation to gain
Que	stions	
To meet this objective, the inspector must answer the following questions:		
2	Are the following controls built into the MIS Reports process:	
2.1	Is there a control in place to ensure the Certificate Holder reports occurrences as Mechanical Interruption Summary Reports, as required by 14 CFR 121.705?	☐ Yes ☐ No, Explain
2.2	Is there a control in place to ensure that each Mechanical Interruption Summary is distributed in accordance with the Certificate Holder's procedures?	☐ Yes ☐ No, Explain
2.3	Is there a control in place to ensure the Certificate Holder's MIS Reports include detailed information as specified by the 14 CFR 121.705?	☐ Yes ☐ No, Explain
2.4	Is there a control in place to ensure the Certificate Holder's MIS Reports are properly prepared by the Certificate Holder?	☐ Yes ☐ No, Explain
2.5	Does the Certificate Holder have a documented method for assessing the impact of any changes made to the controls in the MIS Reports process?	☐ Yes ☐ No, Explain

7. Other.

SAI SECTION 2 – CONTROLS ATTRIBUTE –Drop Down Menu
1. No controls specified.
Documentation for the controls do not identify (who, what, when, where, how).
3. Controls incomplete.
4. Controls could be circumvented.
5. Controls could be unenforceable.
6. Resource requirements incomplete (personnel, facilities, equipment, technical data).

### SAI SECTION 3 - PROCESS MEASUREMENT ATTRIBUTE

**Objective:** Process measurements are used by the Certificate Holder to measure and assess its processes to identify and correct problems or potential problems and to make improvements to the processes. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder measures or assesses information to identify, analyze and document potential problems with the process. Process measurements are basically a Certificate Holder's internal evaluation or auditing of the most important policies, procedures or instructions and information associated with an element.

To prevent the duplication of work that would otherwise occur, Process Measurements are most commonly addressed through a combination of auditing features contained in both the Certificate Holder's Safety Program/Internal Evaluation Program (for Operations and Cabin Safety related issues) and the auditing function of the Continuous Analysis &Surveillance System (for Airworthiness or Maintenance/Inspection related issues). The Director of Safety and the Quality Assurance Department often work in conjunction to accomplish this function for the Certificate Holder. This approach simply requires amendment of the Safety Program/Internal Evaluation Program audit forms or checklists and the Continuous Analysis &Surveillance System audit forms or checklists to include the specific process measurements for each element.

Tasi	ks	
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the process measurement questions below.	
2	Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the process measurements that it has documented.	
Que	estions	
	To meet this objective, the inspector must answer the following questions:	
3.	Does the Certificate Holder's MIS Reports process include the following primeasurements:	rocess
3.1	Process measurements that would reveal when the Certificate Holder failed to report occurrences in MIS Reports as required by 14 CFR 121.705?	☐ Yes ☐ No, Explain
3.2	Process measurements that would reveal if the Certificate Holder failed to distribute the Mechanical Interruption Summary in accordance with its procedures?	☐ Yes ☐ No, Explain
3.3	Process measurements that would reveal when the Certificate Holder failed to ensure that all MIS Reports include detailed information as specified by the FAR 121.705?	☐ Yes ☐ No, Explain
3.4	Process measurements that would reveal when the Certificate Holder failed to properly prepare MIS Reports?	<ul><li>☐ Yes</li><li>☐ No, Explain</li></ul>
3.5	Does the Certificate Holder document its process measurement methods and results?	☐ Yes ☐ No, Explain
3.6	Does the organization that conducts the process measurements have direct access to the person with responsibility for the MIS Reports process?	☐ Yes ☐ No, Explain

# SAI SECTION 3 – PROCESS MEASUREMENT ATTRIBUTE -Drop Down Menu

- 1. No process measurements specified.
- 2. Documentation for the process measurements does not identify (who, what, when, where, how).
- 3. Inability to identify negative findings.
- 4. No provisions for implementing corrective actions.
- 5. Ineffective follow–up to determine effectiveness of corrective actions.
- 6. Resources requirements (personnel, facilities, equipment, technical data).
- 7. Other.

### SAI SECTION 4 - INTERFACES ATTRIBUTE

**Objective:** Interfaces are used by the Certificate Holder to identify and manage the interactions between processes. The questions in this section of the data collection tool are designed to assist the inspector in determining whether or not interactions between the procedures, policies or instructions and information associated with other independent processes within the Certificate Holder's organization are documented. Written procedures, policies or instructions and information that are interrelated and located in different manuals within the Certificate Holder's manual system need to be consistent and complement each other. For the interfaces to be effectively managed, it is not only important to identify what the interfaces are, but it is imperative to document the specific location of the interfaces within the Certificate Holder's manual system.

nterraces are, but it is imperative to document the specific location of the interraces within the Certificate Holder's manual system.		
Tasi	ks	
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the interfaces associated with the MIS Reports process that have been identified along with the individual questions in the Procedures Section (1) of this data collection tool.	
2	Review the Certificate Holder's policies, procedures, instructions and infor an understanding of the interfaces that it has documented.	mation to gain
Que	stions	
	To meet this objective, the inspector must answer the following questions:	
	NOTE: ALL EXPLANATIONS IN THE DROP DOWN MENU FOR "NO" ANS INCLUDE THE INDIVIDUAL QUESTION NUMBER FROM THE PROCEDU (1) OF THIS DATA COLLECTION TOOL AND THE ELEMENT NUMBER(S) INTERFACE(S) THAT WERE NOT ADDRESSED.	RES SECTION
4.	Does the Certificate Holder's manual:	
4.1	Properly address the interfaces that are identified along with the individual questions in the Procedures Section (1)?	☐ Yes ☐ No, Explain
4.2	Document a method for assessing the impact of any changes to the associated interfaces within the MIS Reports process?	☐ Yes ☐ No, Explain
4.3	List additional interfaces identified during the accomplishment of this SAI.	

# SAI SECTION 4 – INTERFACES ATTRIBUTE –Drop Down Menu

- 1. No interfaces specified.
- 2. The following interfaces not identified within the Certificate Holder's manual system:
- 3. Interfaces listed are inaccurate.
- 4. Specific location of interfaces not identified within the manual system.
- 5. Other

# SAI SECTION 5 – MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE

**Objective:** The questions in this section of the data collection tool address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified and knowledgeable person who is responsible for the process, is answerable for the quality of the process and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)

Tasi	Tasks	
To meet this objective, the inspector must accomplish the following tasks:		
1	Identify the person who has overall responsibility for the MIS Reports pro	cess.
2	Identify the person who has overall authority for the MIS Reports process.	
3	Review the duties and responsibilities of the person(s), documented in th Holder's manual.	e Certificate
4	Review the appropriate organizational chart.	
Que	stions	
	To meet this objective, the inspector must answer the following questions	:
5.	Are the following aspects of the Management Responsibility and Authority Attributes addressed in the MIS Reports process:	
5.1	Does the Certificate Holder's manual clearly identify who is responsible for the quality of the MIS Reports process?	☐ Yes ☐ No, Explain Name/Title:
5.2	Does the Certificate Holder's manual clearly identify who has authority to establish and modify the policies, procedures, instructions and information for the MIS Reports process?	☐ Yes ☐ No, Explain Name/Title:
5.3	Does the Certificate Holder's manual include the duties and responsibilities of those who manage the work required by the MIS Reports process?  SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
5.4	Does the Certificate Holder's manual include instructions and information for those who manage the work required by the MIS Reports process?  SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain
5.5	Does the Certificate Holder's manual clearly and completely document the authority for this position?	☐ Yes ☐ No, Explain
5.6	Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having responsibility for the MIS Reports process?	☐ Yes ☐ No, Explain
5.7	Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having authority to establish and modify the Certificate Holder's policies, procedures, instructions and information for the MIS Reports process?	☐ Yes ☐ No, Explain

5.8 Does the Certificate Holder's manual clearly and completely document the procedures for delegation of authority for the MIS Reports process? ☐ No, Explain

SAI SECTION 5 – MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE  -Drop Down Menu
1. Not documented.
2. Documentation unclear.
3. Documentation incomplete.
4. Other.